

Water Year 2003
CVPIA §3406b(2) and CALFED
Environmental Water Account
(EWA) Accounting

December 10, 2003

Agenda

- Introduction
- b(2) Process, Base Definition, Implementation
- WY 2003 CVP Operations with b(2) Actions
- WY 2003 b(2) Accounting
- EWA Background
- WY 2003 EWA Actions
- WY 2003 EWA Accounting
- Questions

b(2) Process

- **B2IT – b(2) Interagency Team**

- Members – USBR, USFWS, NOAA Fisheries, DWR and DFG

- Met weekly or bi-weekly as needed to review CVP operations, produce forecasts of operations, review b(2) daily accounting and resolve issues at a technical level.

- **Forecasts produced monthly with b(1) and b(2) action placeholders.**

- **Hypothetical daily operation created using actual hydrology.**

- **Daily accounting done by a comparison of the hypothetical base operations to actual operations (not including EWA or water augmentation tools). Both operations usually include water acquisitions to keep them b(2) neutral.**

Base Case Definition

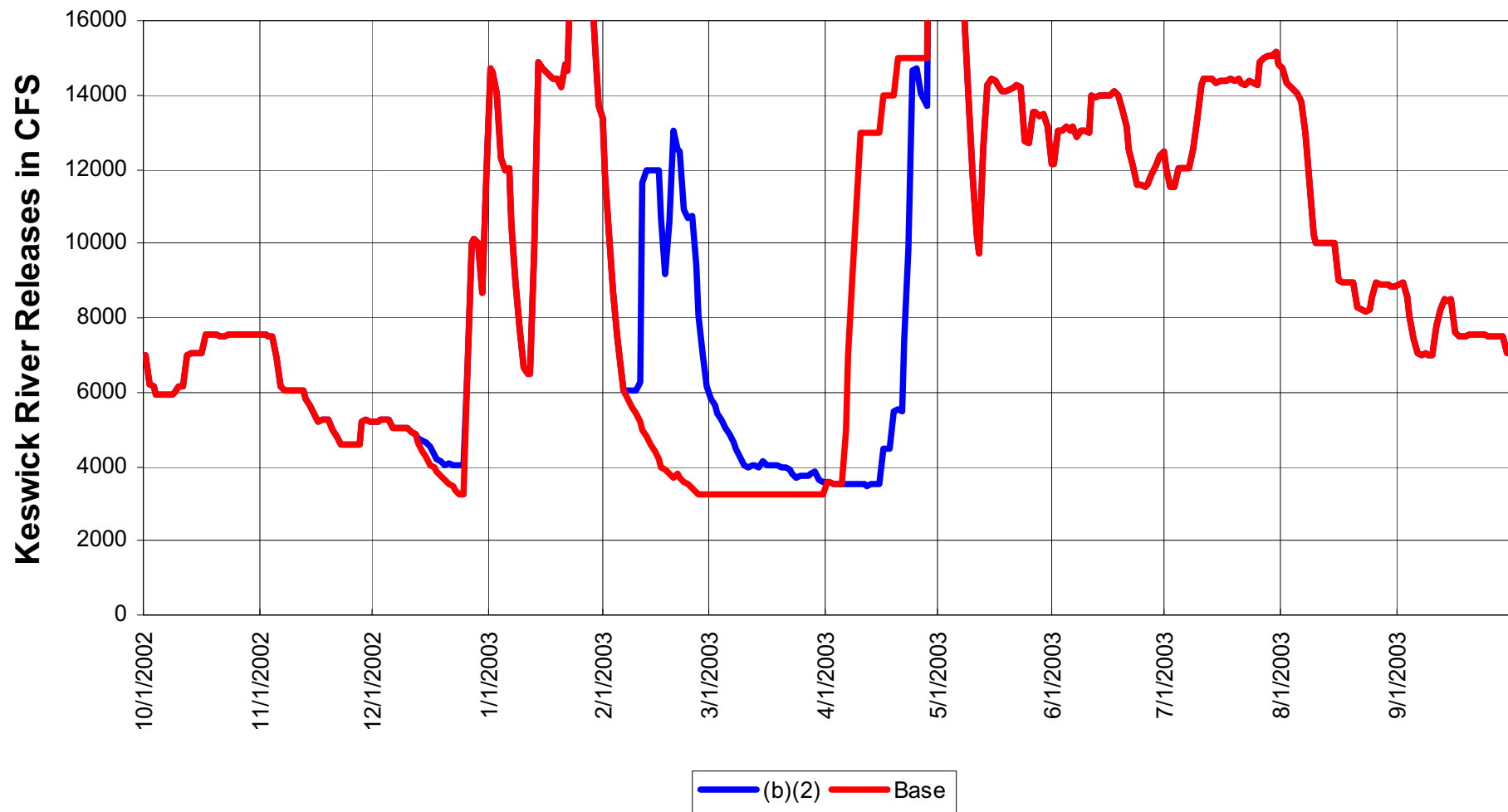
- **Upper Sacramento**
 - 1992 Winter Run Biological Opinion (Temperature Operations) & WR 90-5.
 - COE Flood Control Requirements.
- **Clear Creek**
 - 1960 MOA with CDFG.
- **Trinity River**
 - Interim 452,000 AF Trinity River release per Wanger
 - Safety of Dams.
- **American River**
 - “Modified D-893”.
 - COE Flood Control Requirements with SAFCA enhancements.
- **Stanislaus River**
 - 1987 Instream Flow Agreement & D-1422.
 - COE Flood Control Requirements.
- **Delta**
 - D-1485
 - 1986 COA

WY 2003 Implementation

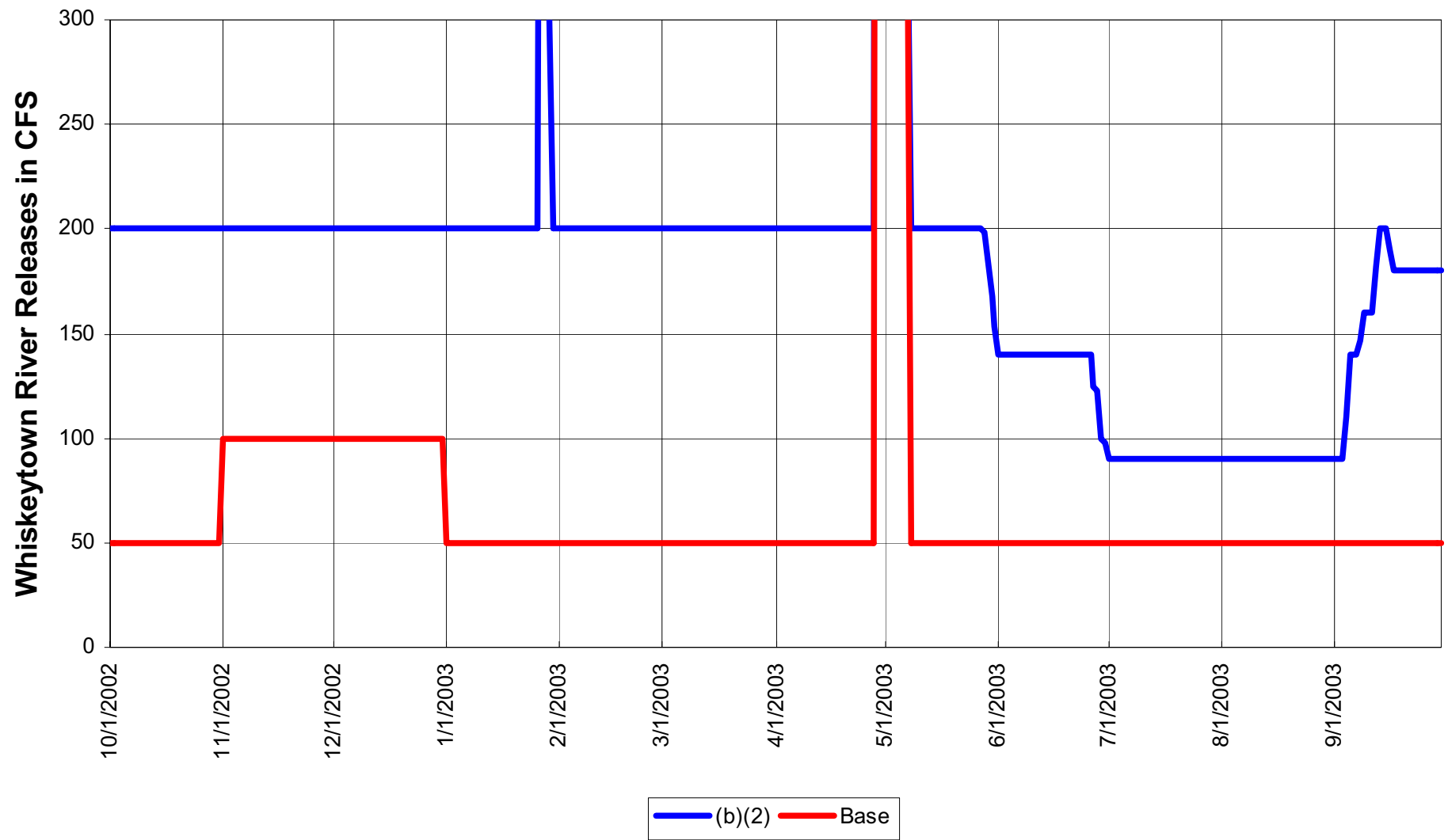
- October 1999 DOI b(2) Decision .
- As amended by District Court rulings in October 2001 and February 2002.
- No use of b(2) banking.
- Continued use of b(1) re-operation.
- Integration of EWA into b(2) operations.

WY 2003 CVP Operations with b(2) Actions

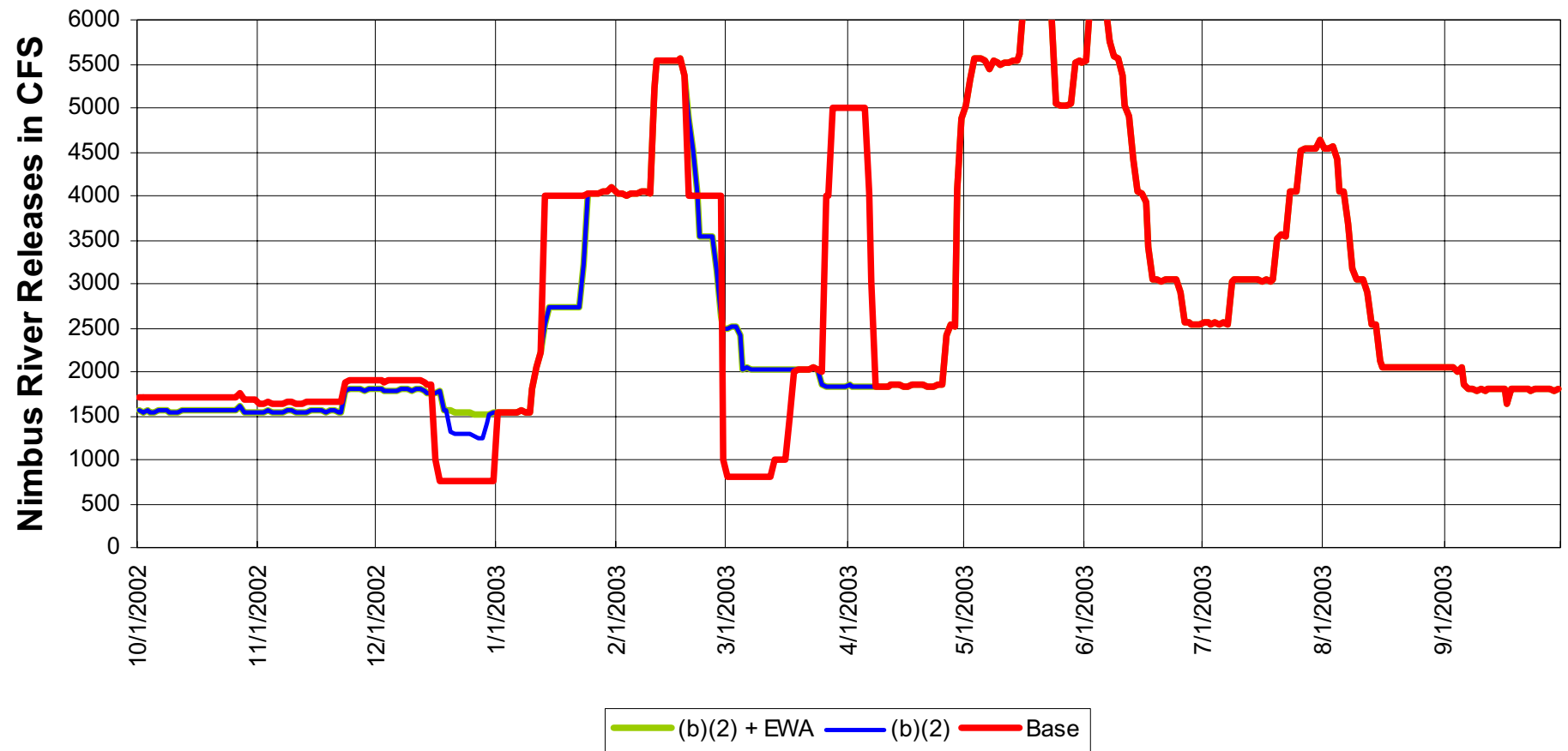
Sacramento River Daily Operations



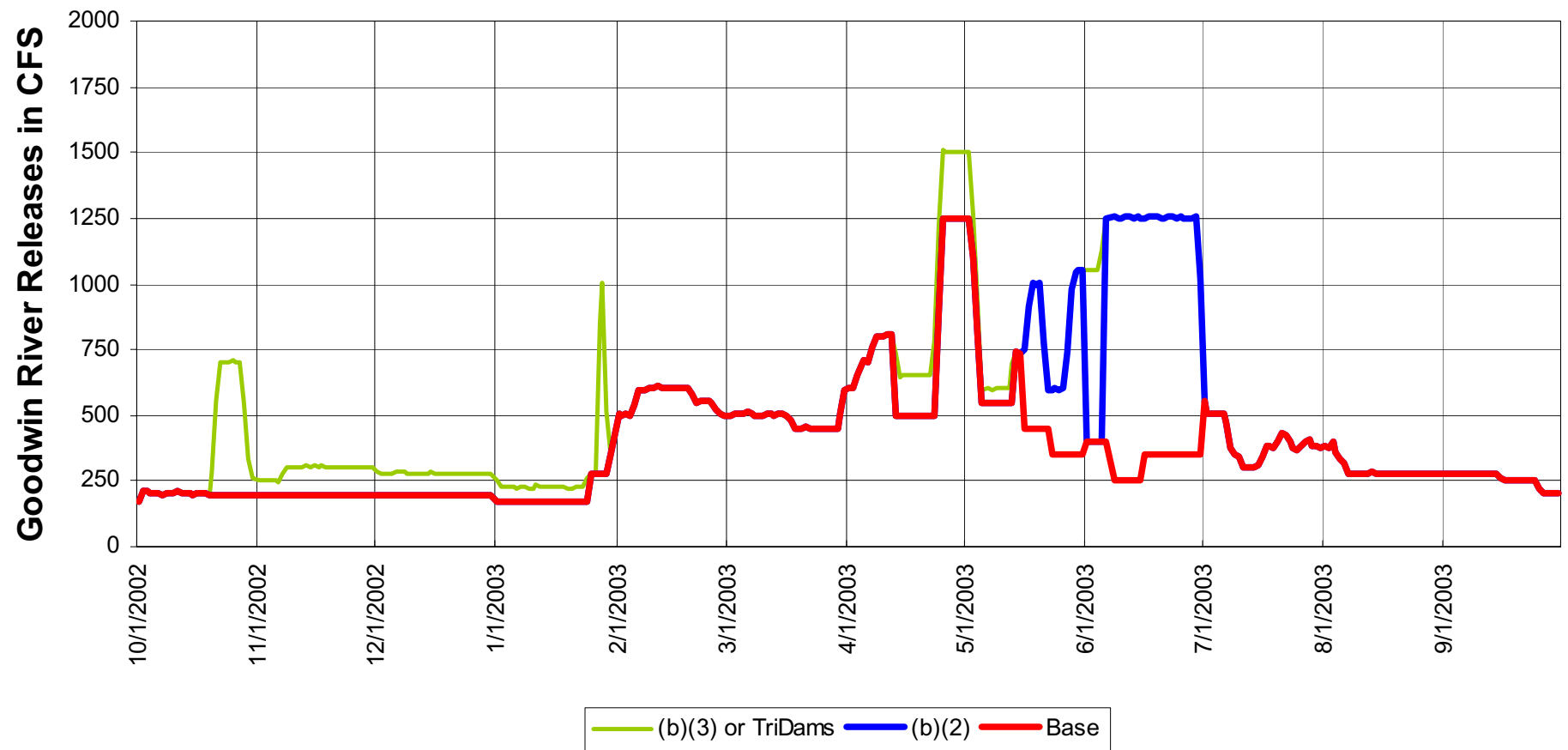
Clear Creek Daily Operations



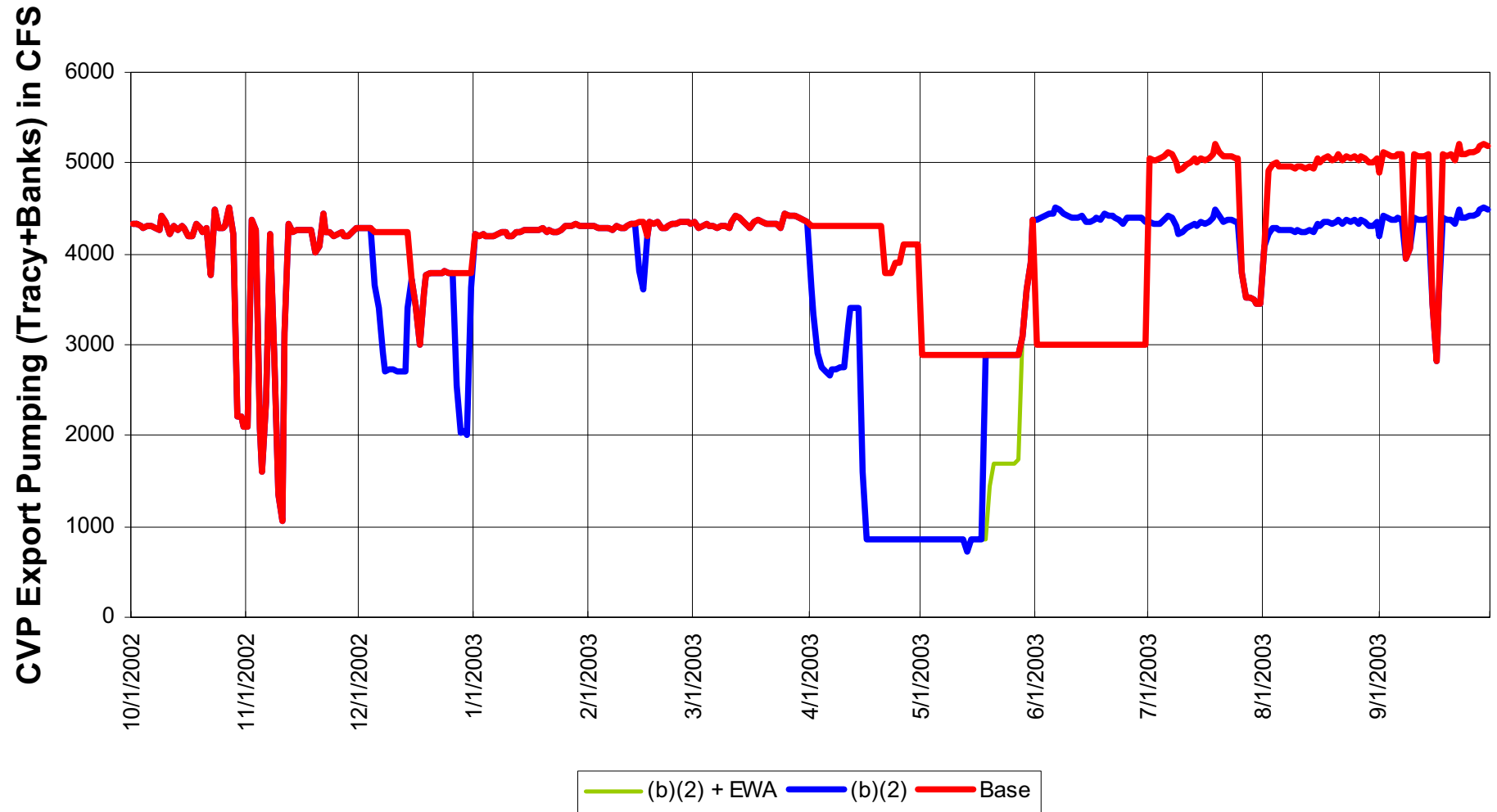
American River Daily Operations



Stanislaus River Daily Operations



CVP Delta Daily Operations



b(2) Accounting

b(2) Calculation

- **Storage/Release Metric: Oct 1 – Sep 30**

Daily increase in release with b(2) operations vs base operations. Reoperation between northern CVP reservoirs is excluded from the accounting.

- **Delta Metric: Oct 1 – Sep 30**

Daily reduction in CVP exports with b(2) operations vs base operations. Reoperation between days at a facility with no foreseeable impact is excluded.

Final b(2) Accounting Water Year 2003

	Oct	Nov	Dec	Jan	Feb*	Mar	Apr	May	Jun	Jul	Aug	Sep	Tot
Storage/Release Metric (Oct 1-Sep 30)*	0	0	-36	-12	-187	-112	-8	-21	-51	-2	-2	-7	-438
Export Metric (Oct 1-Sep 30)	0	0	-39	0	-3	0	-137	-69	0	-35	-42	-35	-358
Total (b)(2) Expenditures													-796

* February's release cost
reduced by 65 TAF to reflect
COA adjustment.

WY 2004 Implementation

- Dec 2002 Draft DOI b(2) Decision finalized and issued in May 2003.
- June 2003 Appellate Court ruling issued.
- Continued use of b(1) re-operation.
- Integration of EWA into b(2) operations.